NITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

MATSUZAKI, Koichi, et al.

Group Art Unit: Not Yet Assigned

Serial No.: 10/822,860

Examiner: Not Yet Assigned

Filed: April 13, 2004

For:

ANTIBODIES SPECIFIC FOR PHOSPHORYLATION SITES AND

SCREENING METHODS USING THE SAME ANTIBODIES

INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 CFR 1.97(b)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

June 7, 2004

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449. One copy of each of these documents is attached.

No fee is required in connection with this Information Disclosure Statement, since it is being submitted prior to the issuance of a first official action on the merits or expiration of the three month period following the filing date or the entry of the national stage of the above-captioned application.

The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.

Serial No.: 10/822,860

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PATENT TRADEMARK OFFICE

The Commissioner is authorized to charge our Deposit Account No. 01-2340 for any fee which is deemed by the Patent and Trademark Office to be required to effect consideration of this statement.

Respectfully submitted,

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Enclosures: PTO1449, 13 References

INFORMATION Atty. Docket No. 040176

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Applicant(s): MATSUZAKI, Koichi, et al.

| L | Filing Date: April 13, 2004 | | | | | Group Art Unit: Not Yet Assigned | | |
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| U.S. PATENT DOCUMENTS | | | | | | | | |
| Examiner Initial | | Document No. | Name | Date | Class | Sub class | Filing Date (If appropriate) | |
| | AA | | - | | | | | |
| 4 | AB | | | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | |
| | | Document No. | | Date | Country | | anslation es or No) | |
| | AC | | | | | | | |
| | AD | | 071150 | 20011151170 | | | | |
| OTHER DOCUMENTS | | | | | | | | |
| | AE | Lindemann et al; "Interfering with TGFβ-induced Smad3 nuclear accumulation differentially affects TGFβ-dependent gene expression"; Molecular Cancer 2003; 2:20; pp1-10. | | | | | | |
| | AF | Wang et al; "Requirement of Mitogen-activated Protein Kinase Kinase 3in Murine Mesangial Cells*"; J. Biological Chemistry; 2002; 277:49 pp47257-47262. | | | | | | |
| | AG | Leioven et al; "Smad3 Mediates Transforming Growth Factor-β-induced Colagenase-3 Fibroblasts" J. Biological Chemistry; 2002; 277:48; pp46338-45346. | | | | | | |
| | АН | Bakin et al; "p38 mitogen-activated protein kinase is required for TGF-β-mediated fibroblastic transdifferentiation and cell migration;" J. Cell Science 2002; 115, pp3192-3206. | | | | | | |
| | AI | | Tahashi et al; "Differential Regulation of TGF-β Signal inRat Liver Injury;" American Association for Liver Studies; 2002; pp 49-61. | | | | | |
| | AJ | Matsuzaki et al; "Modulation of transforming growth factor β function in hepatocytes and hepatic stellate cells in rat liver injury;" GUT, May 2000; 46:3; pp 719-724. | | | | | | |
| | AK | Matsuzaki et al; "Regulatory Mechanisms for Transforming Growth Factor β as an Autocrine Inhibitorin Its Growth;" American Association for Liver Studies 2000; pp218-227. | | | | | | |
| | AL | Matsuzaki et al; "Autocrine Stimulatory Mechanism by Transforming Growth Factor β in Human Hepatocellular Carcinoma"; Cancer Research 60; March 1 2000; pp 1394-1402. | | | | | | |
| | АМ | Ravanti et al; "Expression of human collagenase-3 (MMP-13) by fetal skin fibroblasts is induced by transforming growth factor-β via p38 mitogen-activated protein kinase;" FASEB J. 10-1096; published online February 20, 2001. | | | | | | |
| | AN Moustakas et al; "Smad regulation in TGF-β signal transduction"; J. Cell Science 2001; 113; pp 4359-4369. | | | | | 2001; 113; pp | | |
| | AO Date et al; "Differential expression of transforming growth factor-β and its receptors in hepatocy and nonparenchymal cells of rat liver after CCl₄ administration"; J. Hepatology 1998; 28: pp 572 | | | | ors in hepatocytes 998; 28: pp 572-581. | | | |
| | AP | Heldin et al; "TGF-β signalling from cell membrane to nucleus through SMAD proteins." Nature (December 1997); 390:4; pp465-471.(see spec. page 2). | | | | | | |
| | AQ | Kretzschmar et al; "Opposing BMP and EGF signalling pathways converge on the TGF-β family mediator Smad-1;" Nature (October 1997) 389:9; pp 618-622. | | | | | | |
| Examiner | | | Date Consi | dered | | | | |